Amendments to the Specification:

Please amend the Specification in this application at page 2, line 3 through line 11, to read as follows:

This development was supported in part by USPHS Research Grant DE11789 to the American Dental Association Health Foundation from the NIDCR. The United States or an agency hereof thereof may therefor have certain rights to the claimed invention.

A self-hardening calcium phosphate cement, consisting of tetra calcium tetracalcium phosphate (TTCP) and anhydrous dicalcium phosphate has been shown in clinical studies to be efficacious as a bone repair material. The hardening time (HT) of the cement is about 30 min minutes when the powder constituents are mixed with water and 5 min minutes when mixed with a phosphate solution as the liquid. Hydroxyapatite (HA) is the major product formed as a result of the mixing and hardening. In recent years, additional calcium phosphate cements (CPC) that do not contain TTCP have been developed, e.g. α -tricalcium phosphate (TCP) and G_{α} -CaCO₃; dicalcium phosphate (DCPA) and G_{α} -Ca(OH)₂). These cements harden in 10 min-minutes when mixed with a phosphate solution, and they also form HA as the final product.

